

**CLAIMS:**

1. A spatial data management system comprising:  
a memory in which is maintained a spatial database of position data  
5 representing the location of one or more objects;  
retrieval means arranged to retrieve the position data representing one or  
more objects from the spatial database;  
display means arranged to display to a user a graphical spatial  
representation of one or more objects generated from the position data;  
10 editor means arranged to enable the user to edit the graphical spatial  
representation displayed by the display means; and  
updating means arranged to store in the spatial database position data  
representing the edited spatial representation.
- 15 2. A spatial data management system as claimed in claim 1 wherein the  
position data comprises one or more data sets, each data set representing the  
geographic co-ordinates of one object.
3. A spatial data management system as claimed in claim 2 wherein each data  
20 set defines a polygon having three or more vertices representing the object, each data  
set defining the geographic co-ordinates of the vertices of the polygon.
4. A spatial data management system as claimed in any one of the preceding  
claims wherein the editor means is arranged to enable the user to alter the location  
25 of one or more objects.
5. A spatial data management system as claimed in any one of the preceding  
claims wherein the editor means is arranged to enable the user to add objects to or  
delete objects from the spatial database.
- 30 6. A spatial data management system as claimed in any one of the preceding  
claims wherein the position data further comprises an object identifier for each  
object.
- 35 7. A spatial data management system as claimed in claim 6 wherein the  
position data further comprises temporal data, and the retrieval means is arranged  
to retrieve position data based in part on the temporal data.

8. A spatial data management system as claimed in any one of the preceding claims wherein the spatial database represents the commercial premises of a merchant, the display means arranged to display a graphical spatial representation of the premises of the merchant.

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9. A spatial data management system as claimed in claim 8 wherein the merchant operates a casino or gaming venue.

10. A spatial data management system as claimed in claim 9 wherein the objects represented by the position data comprise gaming machines and/or gaming tables.

11. A computer program for spatial data management comprising:  
a spatial database of position data maintained in a memory, the position data representing the location of one or more objects;  
15 retrieval means arranged to retrieve the position data representing one or more objects from the spatial database;  
display means arranged to display to a user a graphical spatial representation of one or more objects generated from the position data;  
editor means arranged to enable the user to edit the graphical spatial  
20 representation displayed by the display means; and  
updating means arranged to store in the spatial database position data representing the edited spatial representation.

12. A computer program as claimed in claim 11 wherein the position data comprises one or more data sets, each data set representing the geographic co-ordinates of one object.

13. A computer program as claimed in claim 12 wherein each data set defines a polygon having three or more vertices representing the object, each data set defining  
30 the geographic co-ordinates of the vertices of the polygon.

14. A computer program as claimed in any one of claims 11 to 13 wherein the editor means is arranged to enable the user to alter the location of one or more objects.

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15. A computer program as claimed in any one of claims 11 to 14 wherein the editor means is arranged to enable the user to add objects to or delete objects from the spatial database.

16. A computer program as claimed in any one of claims 11 to 15 wherein the position data further comprises an object identifier for each object.
- 5 17. A computer program as claimed in claim 16 wherein the position data further comprises temporal data, and the retrieval means is arranged to retrieve position data based in part on the temporal data.
- 10 18. A computer program as claimed in any one of claims 11 to 17 wherein the spatial database represents the commercial premises of a merchant, the display means arranged to display a graphical spatial representation of the premises of the merchant.
- 15 19. A computer program as claimed in claim 18 wherein the merchant operates a casino or gaming venue.
20. A computer program as claimed in claim 19 wherein the objects represented by the position data comprise gaming machines and/or gaming tables.
- 20 21. A computer program as claimed in any one of claims 11 to 20 embodied on a computer readable medium.
22. A method of spatial data management comprising the steps of:  
maintaining in a memory a spatial database of position data representing the  
25 location of one or more objects;  
retrieving the position data representing one or more objects from the spatial database;  
displaying to a user a graphical spatial representation of one or more objects generated from the position data;  
30 providing editor means to enable the user to edit the graphical spatial representation displayed by the display means; and  
storing in the spatial database position data representing the edited spatial representation.
- 35 23. A method of spatial data management as claimed in claim 22 wherein the position data comprises one or more data sets, each data set representing the geographic co-ordinates of one object.

24. A method of spatial data management as claimed in claim 23 wherein each data set defines a polygon having three or more vertices representing the object, each data set defining the geographic co-ordinates of the vertices of the polygon.
- 5 25. A method of spatial data management as claimed in any one of claims 22 to 24 further comprising the step of arranging the editor means to enable the user to alter the location of one or more objects.
- 10 26. A method of spatial data management as claimed in any one of claims 22 to 25 further comprising the step of arranging the editor means to enable the user to add objects to or delete objects from the spatial database.
- 15 27. A method of spatial data management as claimed in any one of claims 22 to 26 wherein the position data further comprises an object identifier for each object.
28. A method of spatial data management as claimed in claim 27 wherein the position data further comprises temporal data, and the retrieval means is arranged to retrieve position data based in part on the temporal data.
- 20 29. A method of spatial data management as claimed in any one of claims 22 to 28 wherein the spatial database represents the commercial premises of a merchant, the method further comprising the step of displaying a graphical spatial representation of the premises of the merchant.
- 25 30. A method of spatial data management as claimed in claim 29 wherein the merchant operates a casino or gaming venue.
- 30 31. A method of spatial data management as claimed in claim 30 wherein the objects represented by the position data comprise gaming machines and/or gaming tables.